

Figure 1

ADA	Application Development Architecture
ETA	Enterprise Technology Architecture
HIPPA	Health Insurance Patient Privacy Act
FDA	Food and Drug Administration
B2B	Business-to-Business
B2C	Business-to-Consumer
CMS -	Content Management System
PIN	Personal Identification Number (works like a password)
DRS	Device Registration System (Oracle® instance)
JSP	Java Server Page
LDAP	Lightweight Directory Access Protocol (via Oblix® policy server)
SSL	Secure Socket Layer (Browser data communications encryption)
VPN	Virtual Private Network (IP-Secure implementation, B2B data encryption)
XML	eXtensible Markup Language (for machine readable documents and B2B
	communications)
TSS	Therapy Support Services, or TSS for short
SAIT	Server Administrator Information Technology
SRS	System Requirements Specification
DD	Design Detail Document
SVP	System/Software Validation Plan
VT	Short for Verification Test checklist
SVR	System/Software Validation Report

Figure 2

*User ID	herddi		
*Password	*******	*Confirm	
Your passwor	d must be at least 7 characters at ler	gth, and must comain at least 2	numeric characters
Salutation	None *	Street Address	9875 Birch Blvd
- *First Hama	Doc		Γ
Preferred Na	ine	Gty	St. Paul
Middle Name	•	*State	MN
≠Last Kame	Holiday	₽	55122
 Name Suffix 	MD CM	Phone Humber	617-458-1234
· *E-Mall Add	ess holday Gropain com	řex	r
*Are you a f	hysician?		GYES CN
*()a Aun mui	et la receive informational e-mails	>	e Yes C N
Connection	Yor DSC or Caple Modern	Lucation C	linic +
Computer Fy	Windows-based PC T	Number of Computers	

Figure 3

	. ≠ <u>⊆</u> 0	ontact Medizonic Please	e fill out the form halow to receive more information about the Therapy Support Services	Email Us!
5	*	First Name Last Name F.Mail Address treet Address	Fields marked with * are required	an decision and all a
10	# 21 # F4	ity State ip Phana Number ax Message		<u>-</u> 2]-
15) se	್ಷಬ ಲ	Forgot your Username/Password	

Fields marked with * are required

Send Clear

F16 4

ķå	
4	
T. (1.7)	
u	
Ţ1	
Ų	
¥	
JJ.	
And the Meridian Marie M	

	*Social Security No	369-59-399 9	*Home Phone	612-459-7362
	*1)PIN	UB2136413	*Office Phone	612-459-2721
	*DEA Number		*Itospital Phone	612-459-2720
	*DEA Explication		Pager .	
-	*State License No	1	Cellphunt:	
	*State License Expiration		•	, , ,
	*Profession	Physician	<u></u>	
	Specially	Neuro Surgery		

Version 0,50-5 Methyonic Inc. 2001

F16 5

5

10 أمأ Medtronic despression (hatterestacetest) MEDTRONIC THERAPY SUPPORT SERVICES Tour . Tour 15 PRIORITY Medironic Device Registration System Lookup patiera in tegistry Patient Getills in the next 5 days Update registry uzcaniation Place new prescription You have 68 patients in the registry Truck status of prescription Disting prescription history Ductamer 20 Pump Practice Management Support Therapy Specific Literature/Materials PolyAna gest: Cansensus Conference 200 Patient, John R. 261718 30-Jun-2001 Journal of Para and Symptom Management from Rese Communic arons Associates Patient, John R. **351718** 14-Dec-2001 Patient, John R 961718 20-Dec-2001 561718 30-Dec-2001 Patient, John R. Patient, John R 851718 22-Jan-2002 25 Volsion (130) Sheartonic, inc. 200 f. F16 6 30

1	0	

15

20

25

all gray true the party and true to the control of the party and the control of t

30

lectronic ump Replacement Report	🔏 Report fixery return	,
attent Name () () ()	👡 Model Implant Date 📜 🚕 👝 3 St	Likely Date +3.50
Patient, John R	851718 12/31/1995 - Calculate 30-Dec-1	989 30-Jun-2001 30-Dec-20
Palient, John R	861718 06/14/1997 70 - Calculate: 14-Jun-21	000 14- 04¢-200 1 14-Jun-20
Pavent, John 🕏	861718 06/20/1997/cCalculate 30-Jun-21	00 20-Dec-200 1 20-Jun-20
Patient, John R	861718 66/30/1997 To Calculate 30-Jun-20	200 30-Dec-2001 30-Jun-20
Patient, John R	861718 07/201997 75 Calculate 22-Jul-20	CC 22-Jan-2002 22-Jul-201
Patient, John R.	861718 07/25/1997 1 Cakillate 25-Jul 20	00 25-Jan-2002 25-Jul-200
Patient, John R	861718 09/19/1997 A-Calculate 19-Aug-I	CCO 19-Feb-2002 19-Aug Z
Patienz, John R	051718 09/19/1997 16 - Calculate 19-Sep-2	000 19-Mar-2002 19 Sep-3
Patient, John R.	Andrew W M. Ann. B	090 00-May-2002 03-No- 20
Patient, John R	861718 12/11/1997 Calculate 11-Dec-2	000 11-Jun-2002 11-Dec-3
Patient, Jahn P	851718 03/06/1993 A CARCULATE 06 Mar-3	001 06 Sep 2002 00-Mar-20
Patient, John R	861718 03/18/1998 The Calculation 18-Main 2	001 18-Sep-2002 18-Mar-20

F16 7

15

20

25

F16 8

4	Medtronic
200	

MEETKONIC THERAPY SUPPORT SERVICES"

Patient: Pain, Ima N.
Pump Model: 861718
Implant Date: 08/05/1998

Avg. Daily Infusion Volume:

5

Calculate

Mean Date: 05-Mar-2002 [43.6 Months]

+3(**50**: √ (1) (2) (2) 05-Mar-2002

Important: This calculation assumes constant daily infusion volume over the life of the pump. To improve your calculation, enter your best estimate of the programmed average daily infusion volume since implant.

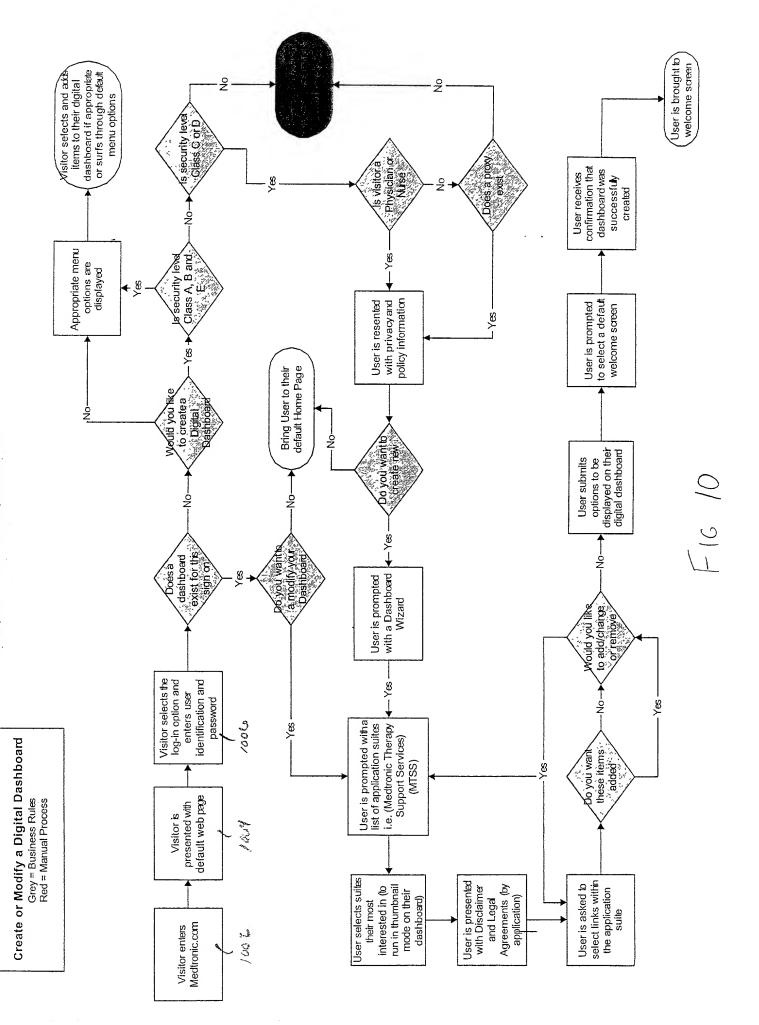
 Practice Profitability Referral Physicians Compounding Prescription Patient & Practice Services Local Follow Up and Best Practices Mgt Services Algorithms Education **Physicians** Complications Scheduling Sales Trends Patient Control (bolus & titration) Monitor: \ zz Outcomes data MDD.com • System Data Base Chronic Disease Mgt System Prescription Chg Information Patient Companion Patient Education **Problems?** • E Visits & Consults **Physiologic** Device & Data Response Respiration/Temperature Heart Rate/Rhythm Patient Feedback **Patient Control** Patient Activity Monitoring Titration Device Health Home •Bolus

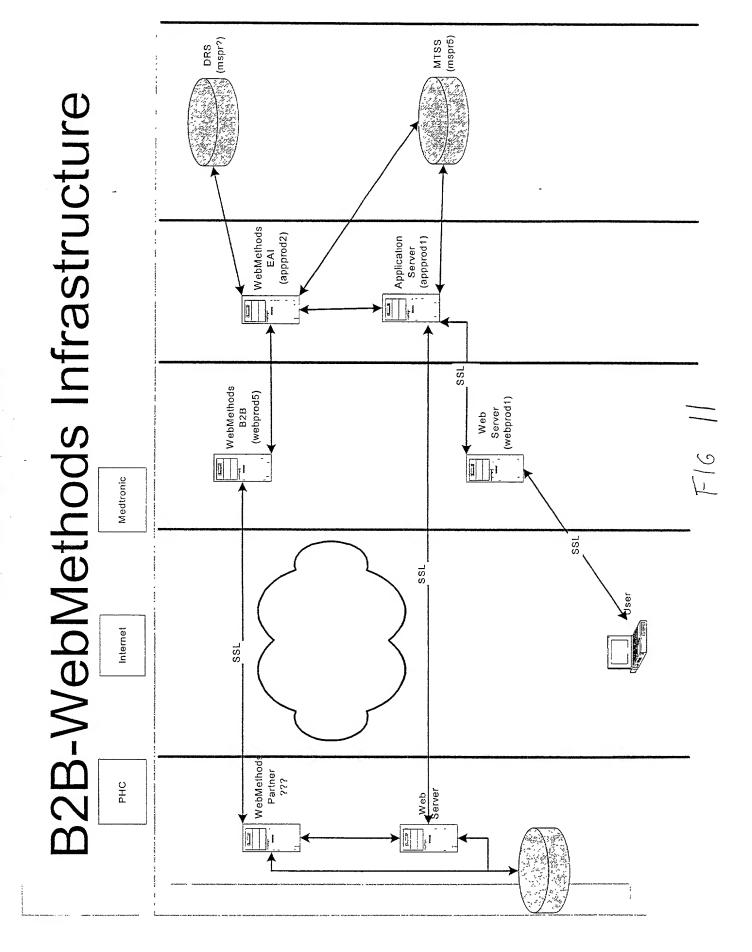
9

Reimbursement

all the both the man ten ten to the color of the color of

& Payors





Dashboard Example

THERAPY SUPPORT SERVICES Guy Scott Bristol (authenticated)

www.comen.

Medtronic Device Registration System

Update registry information _ookup patient in registry Register a new implant

Patient Refills in the next | 5 days

Track status of prescription Patient prescription history

Place new prescription

You have 6 patients in the registry.

Disclaimer

Pump Practice Management Support

Gree , D	8626L10	01-Mar-2004
Gree , D	8626L10	01-Mar-2004
Gree , D	8626L10	.01-Mar-2004
Gree , D	8626L10	01-Mar-2004
Gree , D	8626L10	01-Mar-2004

Therapy Specific Literature/Materials Scientific American Medicine Clinical Pharmacology Medical Journals Expert Interviews Version 0.4b. @ Medironic, Inc. 2000 . 2000 . And the second second second second second statement

Patient Reminder status

PRIORITY CORPORATION

Patient Reminders in the next 5 days

Place new prescription

Track status of prescription Patient prescription history

Read This!

T 6 3

Application Example 1

Medimin

Guy Bristol (authenticated)

THERAPY SUPPORT SERVICES

1. Con the control of the control of

Back

		_~	_
1	47.	٦.	5
ŧ.	2	-	
	_		Š.
*	٠.	, si	2

Lookup

Patient

Register Device

Registry

Update

Registered Pump Implants (Mock Up)

	Patient Name	Model	Model Implant Date			Section Initial Drug	
Select	Patient 1	Model 1	12-Jan-2000	Indication	History	Generic	- Update
Selection .	Patient 2	Model 2	12-Jan-2000	Indication	History	Generic	i Úpdatě.
Select	Patient 3	Model 3	12-Jan-2000	Indication	History	Generic	. Update
Select	Patient 4	Model 4	12-Jan-2000	" Indication	History	Generic	Update
Select	Patient 5	Model 5	12-Jan-2000	Indication	History	Generic	Lipdate.
Select	Patient 6	g ləpom	12-Jan-2000	Indication	History	Generic	& Undate
Select	Patient 7	Model 7	12-Jan-2000	Indication	History	Generic	Update
Select	Patient 8	Model 8	12-Jan-2000	Indication	History	Generic	Update
Select	Patient 9	Model 9	12-Jan-2000	Indication	History	Genjeric	k Updafe.
Select	Patient 10	Model 10	12-Jan-2000	"Indication"	History	Generic	Update
Select	Patient 11	Model 11	12-Jan-2000	Indication	History	Generic	Update
Select	Patient 12	Model 12	12-Jan-2000	Indication	History	Generic	Update

Version 0.2b, Engettronic, Inc. 2000 a secretable responsible of the contact Mettronic + Privacy Statement

Application Example 2 (B2B)



Guy Briskol (authenticated) THERAPY SUPPORT SERVICES

ά Ξ
Ō
Łógin`*Logoùí
*
-
· 💆
Login
nce *I
Ē
ğ
3
Ξ
2
*
Ŋ.
Suite 2 * Maintenance *
2
~ X.
*Suite
3
*
· -
8
=
S
ă
1
* Dashboar
7.
1
· A
v R
· man É
3,
188
- 43 - 33
3
4
- 3
S.
7
滋
. 3
1
300
- 7
,
12.
*
6.4
193
á

1	풀
ř.	-
1	4
H	
L	
RIT	1
-4	椞
	2
-	ū
PRIOR	Healthcare Corporation
	ď.
	7
KI	71
7	3
	1
	5
	-
₽	3
	-
-	-
10	Ŧ
100	

Patient Information

Politani Patient Phone Patent Primary Ins	Patent Primary Ins	Preferences	Consultation	Allergies	Disease	Shipping	Notes	Picture
	and the second s	A STATE OF THE STA	enderdreich de des deschederscheide. Editeinist des de deutschen ist der deutsche des deutsche deutsche des deutsche des	Comment and and and about the time the time of the time time time the time time time time time time time tim		to the total and the state of t	or make with the	To the freeze with
Last Name:	******	and constructive the second se	40000	100		nithmatical designation of the second se	1 ************************************	
is a manager of statement of the second of t	31 (The state of the s	;	Title ? Statement and experience of the statement of the		> A	·	
5's	1		And the state of t	on the second and the second	21 24 24			
	on access that I would not come to believe a com-	we will be the state of the sta	emilika mara katan maran	() () () () () () () () () ()				·
City;	the state of the s	Sin a st	State		The state of the s			,
	The state of the s	1.	Country	an Vive and Vive A	A Company of the Comp	A Sec. 7	;] ^{~~}	
Parient Status:	Jac (•	
Social Security No:	A SAC A CANADA AND AND AND AND AND AND AND AND AN	d he was an annual to the man two was two of the man to the state of t	A pay tempore					
Heght:			town any town			5 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Lest Mutified On:			McLiffed By	! :		· :		
3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5			entered By	By:	, ,		::	

Save Cancel

X D	Drug_Dosage_ID Prescription_ID NDC_Code Drug_Units Drug
	Prescription_ID PHC_Record_ID PHC_Record_ID PHC_Peatient_ID BIIIng_Service Payor_Type Associate_ID Doctor_Number PHC_Prescription Date_Placed Primary_Diagnosi Calculator_Used PHC_Prescription Date_Placed Primary_Diagnosi Calculator_Used Refill_Interval Syringe_Volume_ Auth_Physician Auth_Ph
	Title Category UC_Number Media_Type Stock_Source Order_Email Download_Location Updated Updated
	Specialty D Specia
	Login_ID Login_ID Login_ID Associate_ID Proxy_Authority Recv_Info Recd_Permission Connection_Iype Location Computer_Type Number_of_Comp Browser Fractice_Name Address_ID Practice_Name Address_ID Prone_Off-Hour: Phone_Off-Hour: Phone_Off-Hour: Phone_Off-Hour: Phone_Off-Hour: Phone_Address_ID Phone_Address_ID Phone_Address_ID Phone_Address_ID Dashboard_Address_ID Suite_ID Application_ID Dashboard_Address_ID Dashboard_ID Dashboard_ID Dashboard_ID Dashboard_ID Dashboard_ID Dashboard_ID Dashboard_ID Dashboard_ID Dashboard_ID Dashboar
	Login_IDD Login_IDD Password Expire Password Expire Password Expire User_IDS City State Line2 Line3 City State Zip_Code Line3 City State Zip_Code Z
🐾 Relationships	Associate_ID Login_ID Address_ID Address_ID Address_ID Address_ID Address_ID Address_ID Address_ID Address_ID BEA DEA DEA DEA DEA DEA DEA DEA LICENCE_MI State_Licence_E Name_First Name_First Name_Suffix Name_Safut Role Name_Safut Role Name_Safut Role Name_Safut Role Name_Safut Role Phame_Safut Role Phame_Safut Role Alternate_Contact Name_Safut Role Phame_Safut Role Alternate_Contact Name_Safut Role Phame_Safut Role Alternate_Contact Name_Safut Role Alternate_Contact Name_Safut Role Alternate_Contact Name_Safut Role Alternate_Contact Name_Safut Role Alternate_Contact Phone_Home Phone_Decidl Phone_Hospital Phone_Cell Phone_Loste Gender User_ID Updated Updated

Fisure 16.